

# Semantic MediaWiki Conference

## *Fall 2014*

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# Meeting Minutes

Or ...

How we learned to stop emailing and love the wiki

Daren Welsh, *NASA Flight Operations*

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# Email!



- Email is necessary, but abused
- Email is good for conversations, but a *terrible* way of storing data



# Meeting Minutes

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- We can't eliminate all email, but maybe just notes from meetings
- Meeting Minutes template/form is very simple
  - Type of meeting
  - Date
  - Time
  - Attendee
  - Attachments
  - Links to documents
  - Topics
    - Title
    - Content



# Meeting Minutes



## Create Meeting Minutes




### Remember...

**Save often** or **use a text editor**. Revisions are free. Also, if there is *anything* you don't know how to do, see the **help page** for more info.

## Meeting Details

Meeting name	<input type="text"/>
Meeting date	<input type="text"/> <input type="text"/>
Start time	<input type="text"/> : <input type="text"/> (24-hour time, please)
Notes taken by	<input type="text"/>

## Meeting Files

Local File Name or URL	<input type="text"/>	  
Alternate name	<input type="text"/>	

Add File

## Meeting Topics

Add Topic



# Meeting Minutes



## Meeting Topics

### Safety Tether Routing

**Synopsis:** For [[US EVA 26]], the crew will translate along the nadir route of S1 and fairlead their tethers at the top of the [[CETA Spur]].

370 characters remaining (500 max)

For [[US EVA 26]], the crew will translate along the nadir route of S1 and fairlead their tethers at the top of the [[CETA Spur]].

Testing of this translation path has been completed at the [[NBL]] on 4 June 2014. Details can be found on the [[US EVA 26]] page.



Topic Title

Related articles



Add Topic



# Meeting Minutes



[MOD Wikis](#)  
[Current ISS Issues](#)  
[Increments](#)  
[EVA History](#)  
[Lesson Plans](#)  
[Flight Control](#)  
[EVA Tools](#)  
[EVA Interfaces](#)  
[EMU](#)  
[Airlock](#)  
[DX3 Personnel](#)  
[Random page](#)

► [Contribute](#)  
► [Forms](#)  
► [Query](#)  
► [Tools](#)

[Lwelsh](#) [Talk](#) [Admin links](#) [Preferences](#) [Watchlist](#) [Contributions](#)

Page **Discussion**

Read

[Edit with form](#)

[Edit](#)

[View history](#)



## EVA Group Meeting - 2014/06/09

### XA Telecon

#### Related Article(s):

- No EVA CCB this week
- Mankin and Jeff on site visit to ILC Dover and UTAS Windsor Locks
- NBL Maintenance Week, on schedule, should be out on Friday
- EMU 3015 being decreated tomorrow, removal will be at 0800 on Thursday (Dino and Vilano attending)
- ESA in on Thursday for protocols (Allison attending)
- Safety – 5 NCRs to SRP, 3 signed (water, elec, CO2) seals, over-press need a little more work then back to SRP, going to S&MA CB on Wed, Going to SSPCB next Tues.
- FEMU-R3 and R1 updates in work

### DX Staff

#### Related Article(s):

- Safety - Don't bike and talk on your cell phone.
- Awards (official ceremonies later, cake today)

#### Meeting Minutes

Meeting type	EVA Group Meeting
Meeting date	2014/06/09
Start time	09:00
Notes taken by	L. Shore

#### Meeting Documents

No documents

#### Contents [\[hide\]](#)

- 1 [XA Telecon](#)
- 2 [DX Staff](#)





# Meeting Minutes



- Now meeting minutes
  - Can be entered by anyone
  - Are linkable
  - Are Web accessible
  - Can link to hardware/topic pages
  - Are searchable ... ?

## Search results

meeting minutes RET

Search

[Content pages](#) [Multimedia](#) [Help and Project pages](#) [Everything](#) [Advanced](#)

Create the page "**Meeting minutes RET**" on this wiki!

### Main Page

**MEETING MINUTES** <div class="item-content">{{(Meeting Minutes Block)}}</div>

3 KB (374 words) - 09:15, 5 June 2014

### ATA FRAT Development

I Verify latest **RET** Locking requirement for Large Mass Handling II \* GCA likely required to **RET** to ATA HR near Bolt 3

12 KB (1,791 words) - 16:30, 15 October 2013

### EVA Group Meeting - 2014/05/05

{{(Meeting minutes |Meeting type=EVA Group Meeting

7 KB (1,321 words) - 16:58, 5 May 2014

### Green RET Load Limit Waiver

{{(Meeting Topic |Full text=\* Lower the 70 lbf load requirement in the CARD for the green **RET** set. Lowered to 40 lbf.

2 KB (296 words) - 13:27, 23 May 2012



# Meeting Minutes

---



We can do better with one additional property:

Related article [[Has type:: Page]]





# Related Article



## Meeting Topics

### Safety Tether Routing

US EVA 26,

**Synopsis:** For [[US EVA 26]], the crew will translate along the nadir route of S1 and fairlead their tethers at the top of the [[CETA Spur]].

370 characters remaining (500 max)

For [[US EVA 26]], the crew will translate along the nadir route of S1 and fairlead their tethers at the top of the [[CETA Spur]].

Testing of this translation path has been completed at the [[NBL]] on 4 June 2014. Details can be found on the [[US EVA 26]] page.

### Topic Title

Related articles

Add Topic



# Related Article



## EVA Tools FIAR Call - 2014/05/20

### RET Fraying

No resolutions were made in this meeting, and it was decided to bring what we had discussed to CCB tomorrow to all the risk-trade discussion to be handled at a higher level prior to Russian EVAs.

**Related Article(s):** [Retractable Equipment Tether, RET Cord Fraying, RET Cord Strength, EVA Tools FIAR Call - 2014/05/13, EVA Tools Panel - 2014/05/20](#)

### What load to test to?

The cert load on the High Use RETs is 60 lbs. For the Low Use it's 10 lbs. If possible it makes sense to test to this level, since the RETs are certified to this load, plus a FOS, at end-of-life. Realistically, however, RETs are unlikely to see a maximum load based on the way they are used. As such Safety said between 40 and 60 lbs was acceptable and OneEVA suggested 20 lbs.

#### Meeting Minutes

Meeting type	EVA Tools FIAR Call
Meeting date	2014/05/20
Start time	13:00
Notes taken by	James Montalvo

#### Meeting Documents

No documents

#### Contents [\[hide\]](#)

- 1 RET Fraying
  - 1.1 What load to test to?
  - 1.2 How often should the test be performed?
  - 1.3 How would we safely perform this test?
- 2 Torque Multiplier use with multiple turns



# Related Article



## Retractable Equipment Tether

(Redirected from [RET](#))

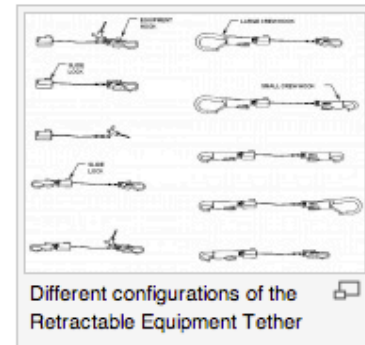
The **Retractable Equipment Tether** (RET) is one of the most commonly used equipment tethers in EVA.

### Contents [\[hide\]](#)

- 1 Features
  - 1.1 Splice versus Larks Knot
- 2 Usage
  - 2.1 Pre-EVA Inspection
  - 2.2 Cord Strength
- 3 Varieties
  - 3.1 High-Use RET
  - 3.2 Low-Use RET
  - 3.3 Obsolete varieties
- 4 Anomalies
- 5 RET Sets
- 6 References



Sm-Sm RET with PIP pin



Different configurations of the Retractable Equipment Tether

## Features [\[edit\]](#)

The RET has 6 feet of Vectran tether cord on a retractable take-up reel. Free-standing (unmounted) RETs have a higher load limit and RETs mounted in caddies or on equipment have a lower limit. See the [RET Cord Strength](#) page for more info. On the end of the reel housing is one equipment hook. The reel housing has a slide lock. In the lock position, the cord will reel out (with force between 0.5 - 3.0 lbs)<sup>[\[citation needed\]](#)</sup>, but will not retract. In the unlock position, the cord will automatically retract (with less than 0.5 lb force)<sup>[\[citation needed\]](#)</sup>. On the free end of the cord is a second equipment hook. The hooks are on swivels to allow for rotation. There are several versions of the RET, with different combinations of both equipment and crew [EVA Hooks](#). Some also include a PIP pin.



# Related Article



Meeting References

Manifest

EVA References

Applicable OCADs

IVA On-Orbit Activity

## PRACA Status

Clear for SpX-4; 2 Open FIARs coming due soon; no change on CAIPs

**Date:** 3 June 2014

**Meeting:** EVA Tools Panel

**Related articles:** [SpX-4](#), [Cam Buckle](#), [RET Cord Splice Failure](#), [Retractable Equipment Tether](#)

## RET Fraying

**Resolution:** Perform RET inspections per CHIT 12331. For the fray inspection section of the procedure the crew shall continue to use engineering judgment to determine the integrity of RET cords. No additional testing shall be performed.

**Date:** 21 May 2014

**Meeting:** EVA CCB

**Related articles:** [Retractable Equipment Tether](#), [RET Cord Fraying](#), [RET Cord Strength](#), [EVA Tools FIAR Call - 2014/05/20](#), [EVA Tools Panel - 2014/05/20](#)

## RET Fraying

No resolutions were made in this meeting, and it was decided to bring what we had discussed to CCB tomorrow to all the risk-trade discussion to be handled at a higher level prior to Russian EVAs.

**Date:** 20 May 2014

**Meeting:** EVA Tools FIAR Call

**Related articles:** [Retractable Equipment Tether](#), [RET Cord Fraying](#), [RET Cord Strength](#), [EVA Tools FIAR Call - 2014/05/13](#), [EVA Tools Panel - 2014/05/20](#)

## RET Fraying

After reviewing RET abrasion testing, RETs failed at section of cord not showing fraying. Some failed without showing fraying. This invalidates the "check for

16 September 2014

12



## Related Article

## IVA On-Orbit Activity

## PRACA Status

Clear for SpX-4; 2 Open FIARs coming due soon; no change

**Date:** 3 June 2014

Meeting: EVA Tools Panel

Related articles: [SpX-4](#), [Cam Buckle](#), [RET Cord Splice Failure](#), [Retractable](#)

## RET Fraying

**Resolution:** Perform RET inspections per CHIT 12331. For the purpose of this inspection, the intent is to determine the integrity of RET cords. No additional testing shall be performed.

Date: 21 May 2014

**Meeting: EVA CCB**

**Related articles:** [Retractable Equipment Tether](#), [RET Cord Fraying](#), [RET](#)

## RET Fraying

No resolutions were made in this meeting, and it was decided to discuss the matter at a higher level prior to Russian EVAs.

Date: 20 May 2014

Meeting: EVA Tools FIAR Call

Related articles: [Retractable Equipment Tether](#), [RET Cord Fraying](#), [RET](#)

## RET Fraying

After reviewing RET abrasion testing, RETs failed at section

16 September 2014

## Extension:HeaderFooter

- Enables headers and footers per namespace

## Extension: Header Tabs

- Adds tabs to a page separating top-level sections

\_\_NOTOC\_\_<br style="clear:both;" />

```
{#ask: [[Topic from meeting::+]][[Related article::{{PAGENAME}}]]
```

|mainlabel=-

| ? From page

|? Has date

|? Has topic title

|? Synopsis

|? Related article

```
| link = none
```

```
|format = template
```

```
|template = Meeting references row
```

```
|intro = <h1>Meeting References</h1>
```

```
| offset = 0
```

```
| limit = 10
```

```
|sort = Has date
```

```
|order = DESC
```

|searchlabel = <br /><br /><br />Click to browse earlier meeting references

$$\}} \quad$$

&lt;headertabs /&gt;



# Related Article



Meeting References

Manifest

EVA References

Applicable OCADs

IVA On-Orbit Activity

## 53P

**Related article(s):** Retractable Equipment Tether with PIP Pin, Retractable Equipment Tether

Quantity: 5 ↑Up

S/N: 4054, 4080, 4238, 4241, 4242

Launch Date: 25 November 2013

## 53P

**Related article(s):** Retractable Equipment Tether Lg-Sm, Retractable Equipment Tether

Quantity: 8 ↑Up

S/N: 4074, 4249, 4250, 4251, 4253, 4262, 4367, 4368

Launch Date: 25 November 2013



## 53P

### Manifest

Item	Part Number	S/Ns	Qty	Up/Down	Notes
Retractable Equipment Tether Sm-Sm, RET	1245	4172, 4239, 4240, 4261, 4263, 4264, 4270, 4369, 4370, 4371, 4374, 4376, 4377, 4379, 4380, 4381	16	↑Up	Sm-Sm RET Rotation (RED Set) <sup>[1]</sup>
Retractable Equipment Tether with PIP Pin, RET	1246	4054, 4080, 4238, 4241, 4242	5	↑Up	PIP pin RET Rotation (RED Set) <sup>[1]</sup>
Retractable Equipment Tether Lg-Sm, RET	1243	4074, 4249, 4250, 4251, 4253, 4262, 4367, 4368	8	↑Up	Lg-Sm RET Rotation (RED Set) <sup>[1]</sup>
CCA	7895	1251, 1252, 1256, 1248	4	↑Up	CB Mastracchio CB Wakata
LCVG	1255	3215, 3216, 3237, 3238	4	↑Up	CB Mastracchio CB Wakata

53P

← Orb-D1
Orb-1 →

Launch date	25 November 2013
Dock/Berth date	25 November 2013
Undock/Unberth date	10 June 2014
Landing date	
Vehicle	Progress
Mission type	ISS Cargo

Crew
Mission Ops Personnel





# Related Article

[Meeting References](#)[Manifest](#)[EVA References](#)[Applicable OCADs](#)[IVA On-Orbit Activity](#)

## Expedition 38 RS EVA 37A

Due to the RET splice issue discovered post US EVA 25 CHIT 11990 mandated a measurement and tug test of the RETs used on RS EVA 37A including mounted RETs. A long term solution will still be required.

Date: 27 January 2014

Related article(s): [Retractable Equipment Tether](#)

## Expedition 36 US EVA 23

The following tethers were left outside due to the US EVA 23 terminate:

RET sm-sm: SNs [4400](#), [4401](#), [4411](#), [4412](#)

RET Lg-sm: SN [4420](#)

RET w PIP Pin: [4393](#)

Date: 16 July 2013

Related article(s): [Retractable Equipment Tether](#), [Retractable Equipment Tether Lg-Sm](#), [Retractable Equipment Tether Sm-Sm](#), [Retractable Equipment Tether with PIP Pin](#)

## STS-132/ULF-4 EVA 2

2 Square Scoops, 2 Adjustables, MUT EE, Ballstack, RET sm-sm were used to temp stow old battery between EVA 2 and EVA 3

Date: 19 May 2010

Related article(s): [Square Scoop](#), [Ballstack](#), [MUT End Effector](#), [Adjustable Equipment Tether](#), [Retractable Equipment Tether](#)



# Related Article



## Expedition 38 RS EVA 37A

### EVA Synopsis

Hatch open PET start – 08:00 am CST (14:00 GMT)

PET 00:35 Crew has egressed the DC1 and translated to the SM large diameter for the HRC install. About 20 min ahead in timeline.

PET 1:10 Crew has installed the HRC (High Resolution Camera) and mated the electrical connectors. About 20 min ahead of timeline

PET 2:18 Both crew members have wiped the suits and jettisoned the towels.

PET 3:00 Crew has installed the MRC and mated the electrical connectors. About 1 hr ahead in timeline.

PET 4:07 EV1 has retrieved the **WIF adapter** and is translating back to the DC1. EV2 performed troubleshooting on MRC connectors 19-3 and 19-6. Next he will perform troubleshooting on connector 11-4

PET 4:50 EV1 has retrieved **CKK #2-CO** cassette from DC1

PET 5:28 EV2 has performed troubleshooting the MRC connector at the SM aft end, wiped his suit, and jettisoned the towel. Crew has completed taking imagery of the HRC/MRC worksites. Next the crew will ingress the DC1.

Crew has ingressed the airlock. Hatch is closed. Final PET 6:08.

The following primary tasks were completed:

- Install High Resolution Camera (HRC) on SM plane IV [YPM-D]
- Install Medium Resolution Camera (MRC) on SM plane IV [YPM-D]
- Retrieve WIF Adapter from SSRMS LEE B at FGB PDGF
- Retrieve [CKK #2-CO] cassette from DC1

16 September 2014

Expedition 38 RS EVA 37A	
Mission	Expedition 38
EVA Title	RS EVA 37A
ISS EVA number	
Country performing EVA	Russia
Start date	27 January 2014 (GMT 27)
Start time	14:00
Duration	6:08
EVA Classification	Scheduled or Historical
Crew	
EV 1	Oleg Kotov
EV 2	Sergey Ryazansky
Mission Ops Personnel	
EVA Lead	John Mularski
EVA TASK	Sandy Moore
EVA HSG	Devan Bolch
Significant ORUs, Tools, Tasks	
<b>RET</b> Due to the RET splice issue discovered post US EVA 25 CHIT 11990 mandated a measurement and tug test of the RETs used on RS EVA 37A including mounted RETs. A long term solution will still be required.	



# Related Article

[Meeting References](#)[Manifest](#)[EVA References](#)[Applicable OCADs](#)[IVA On-Orbit Activity](#)

## ISS OCAD 19222

**Hazard:** Operational Constraints of Tethers

**Control:** Tether Life Tracking – The S/N of any tether that is left exposed to the external ISS environment shall be recorded so that it can be tracked in the limited life database.

**Related article(s):** [Adjustable Equipment Tether](#), [Adjustable Equipment Tether Lg-Sm](#), [Adjustable Equipment Tether Sm-Sm](#), [Adjustable Fuse Tether](#), [Long Duration Tie Down Tether](#), [Retractable Equipment Tether](#), [Retractable Equipment Tether Lg-Sm](#), [Retractable Equipment Tether Sm-Sm](#), [Retractable Equipment Tether with PIP Pin](#), [Safety Tether](#), [Tether Extension Assembly](#), [Long Duration Stowage Tether](#), [Tether](#)

## ISS OCAD 734

**Hazard:** Inadvertent Release of equipment

**Control:** The crew shall observe the outer reach limits of the retractable equipment tether cord, since there is no warning indicator upon approach to these limits. Once the outer limit of the retractable tether is reached, the crew member shall not pull against the stop. RET Cords are 6 feet long.

**Related article(s):** [Retractable Equipment Tether](#)

## ISS OCAD 910

**Hazard:** Operational constraints: Retractable equipment tethers

**Control:** The crew shall observe the outer reach limits of the retractable equipment tether cord, since there is no warning indicator upon approach to these limits. Once the outer limit of the retractable tether is reached, the crew member shall not pull against the stop.

**Related article(s):** [Retractable Equipment Tether](#), [Retractable Equipment Tether Lg-Sm](#), [Retractable Equipment Tether Sm-Sm](#), [Retractable Equipment Tether with PIP Pin](#), [Crew Lock Bag](#)



# Related Article



## ISS OCAD 19222

### Contents [\[hide\]](#)

- 1 [Hazard](#)
- 2 [Ops Control](#)
- 3 [OCAD Rationale](#)
- 4 [DX Rationale](#)
- 5 [Rationale](#)

## Hazard

Operational Constraints of Tethers

## Ops Control

Tether Life Tracking – The S/N of any tether that is left exposed to the external ISS environment shall be recorded so that it can be tracked in the limited life database.

## OCAD Rationale

Soft goods loose strength after exposure to environment over time and structurally fail

ISS OCAD 19222	
<a href="#">OCAD DB</a>	<a href="#">ISS OCAD 19222</a> / <a href="#">old DB</a>
<b>Applicable Hardware</b>	<a href="#">Adjustable Equipment Tether</a> <a href="#">Retractable Equipment Tether</a> <a href="#">Adjustable Fuse Tether</a> <a href="#">Adjustable Equipment Tether Lg-Sm</a> <a href="#">Adjustable Equipment Tether Sm-Sm</a>
<b>Applicable Categories</b>	<a href="#">Tether</a>
<b>Applicable Locations</b>	
<b>Applicable EVA Group</b>	<a href="#">Task</a>
<b>Is Studied By</b>	
<b>Approval Status</b>	<a href="#">Approved</a>
Implementation	
<b>Flight Rule</b>	
<b>Procedure</b>	
<b>Training</b>	



# More Semantic Linking



## ISS OCAD 122405

### Contents [\[hide\]](#)

- [1 Hazard](#)
- [2 Ops Control](#)
- [3 DX Rationale](#)
- [4 Rationale](#)

### Hazard

A grounded conductive object contacts an inadvertent energized surface resulting in arcing/sparking which produces molten metal. The molten metal may cause "burn-thru" of the EMU, and/or damage to Visiting Vehicle and/or ISS hardware.

### Ops Control

A 1 ft keep-out zone must be maintained around the blind-mate electrical connectors on empty PFRAM sites. If EVA tasks make this keep-out zone impractical, then one upstream verifiable inhibit to the PFRAM power must be in place.

### DX Rationale

ISS OCAD 122405	
<a href="#">OCAD DB</a>	<a href="#">ISS OCAD 122405</a> / <a href="#">old DB</a>
<b>Applicable Hardware</b>	<a href="#">FRAM</a> <a href="#">PFRAM</a> <a href="#">FRAM</a> <a href="#">FGB PDGF</a>
<b>Applicable Categories</b>	
<b>Applicable Locations</b>	<a href="#">ESP-1</a> <a href="#">ESP-2</a> <a href="#">ESP-3</a> <a href="#">ELC-2</a> <a href="#">ELC-3</a> <a href="#">ELC-4</a> <a href="#">ELC-1</a> <a href="#">PMA 2</a> <a href="#">MBS</a> <a href="#">Columbus</a>
<b>Applicable EVA Group</b>	<a href="#">Task</a>
<b>Is Studied By</b>	
<b>Approval Status</b>	<a href="#">Approved</a>
<b>Attachment</b>	<a href="#">Hot Connector List</a>
Implementation	
<b>Flight Rule</b>	





# User Queries



## Run query: OCAD Query

You may select multiple items in each category.  
<cntl>-click or <shift>-click to select multiple items.  
<cntl>-click again to deselect an item.

\*Ubiquitous = Applicable everywhere

The more items you select, the longer your query will take.

### Applicable Location:

- Dragon
- Equipment Lock (internal)
- ExPRESS Logistics Carrier 1
- ExPRESS Logistics Carrier 2
- ExPRESS Logistics Carrier 3
- ExPRESS Logistics Carrier 4
- External Stowage Platform 1
- External Stowage Platform 2
- External Stowage Platform 3
- FGB
- H-II Transfer Vehicle
- ISS Joint Airlock (external)
- ISS Joint Airlock (internal)
- JLP
- Japanese Experiment Module
- Japanese Experiment Module Exposed Facility
- Lab
- MRM 1
- MRM 2
- Mobile Base System
- Mobile Transporter
- Node 1
- Node 2
- Node 3

### Applicable Hardware:

- Extravehicular Mobility Unit
- Extravehicular Visor Assembly
- FGB Antennas
- FGB PDGF
- Flex Hose Rotary Coupler
- Flight Releasable Attachment Mechanism
- Flight Releasable Grapple Fixture
- Floating Potential Measurement Unit
- Fluid QD Anti-Kick Back Tool
- Fluid QD Bail Drive Lever
- Fluid QD Button Depress Tool
- Fluid QD Tool Bag
- Fluid QD Tool Bag 1
- Fluid QD Tool Bag 2
- Fluid Quick Disconnect
- GLADIS
- GLIMS
- GPS Antenna
- GTS
- General Purpose Cutter
- Glove
- Ground Radar
- H-Bolt Anti-Rotation Device
- H-II Transfer Vehicle

### Applicable Category:

- \*Generic
- Allen Drivers
- Bag
- Cable
- Connector
- Driver
- EVA Hook
- Electrical Connector
- Flex Hose
- Floating Debris
- Foot Restraint
- Grapple Fixture
- Hardware with ARD in MSF
- MMOD Strike
- Panels
- QD Vent Tool
- Russian Hooks
- Russian Tethers
- Safety Tether
- Socket
- Tether
- Tool Board
- Tool Box
- Touch Temperature



# User Queries



## Run query: OCAD Query

OCAD Query results for the following criteria:

**Location:** ExPRESS Logistics Carrier 1, External Stowage Platform 1, Lab

**Hardware:** Flight Releasable Attachment Mechanism

**Category:** Foot Restraint

◆	Hazard	◆	Control	◆	Applicable Hardware	◆	Applicable Category	◆	Applicable Location	◆
ISS OCAD 102356	Crew or Vehicle Exposure/ISS Elements Exposure to Class 4 LASER Emissions		Before EVA egress, Robotic Arms Operations within the field of regard, or any Visiting Vehicle activities, the laser system on OPALS must be inhibited from lasing by verifying (1) the ELC-1 ExPCA-5 5V Discrete Line controlled relay is OPEN, (2) the OPALS 28V Laser Power Relay is OPEN, and (3) the OPALS laser inhibits and the Gimbal Electrical Limit Switch relay is OPEN.		Optical Payload for Lasercomm Science				ExPRESS Logistics Carrier 1 Space Station Remote Manipulator System	
ISS OCAD 102360	Crew or Vehicle Exposure/ISS Elements Exposure to Class 4 LASER Emissions		First activation after FRAM installation onto ELC not performed during EVA, Robotic Arms activities within the field of regard, or any Visiting Vehicle activities.		Optical Payload for Lasercomm Science				ExPRESS Logistics Carrier 1 Space Station Remote Manipulator System	
ISS OCAD 102402	EVA Hazards on STP-H4		GLADIS AIS and Data-X antennas and ISE2.0 FireStation VLF antennas, GLADIS PEEK antenna bracket, SWATS door catches and SWATS plumbing do not meet kickload requirements and could create a sharp edge if kicked; Shatterable materials release debris that could damage or contaminate the EMU or nearby ISS systems; Spaces between GLADIS AIS antenna, PEEK bracket, SWATS plumbing, and the open SWATS door are within the 0.5 inch to 1.4 inch limits of entrapment hazard; Improper		STP-H4 GLADIS				ExPRESS Logistics Carrier 1	





# Exposure



- Individual pages are linked
  - [[wiki links]]
  - Semantic queries (inline, infobox, and footer)
- User queries
  - Somewhat exposes users to unfamiliar pages, but limited in scope

How do we make sure our users are aware of pages they might be interested in?



# Warrens & Plazas

- Discussion at Houston wiki summit with Brandon Harris and Philippe Beaudette (Wikimedia Foundation)
- Each wiki page is maintained by a small community
- Even with Semantic sharing, there are disconnects
- How do we connect these communities?





# The Main Page Plaza



MOD Wikis  
Current ISS Issues  
Increments  
EVA History  
Lesson Plans  
Flight Control  
EVA Tools  
EVA Interfaces  
EMU  
Airlock  
DX3 Personnel  
Random page

Contribute  
Help  
Recent changes  
Wanted pages

Forms  
Meeting Minutes  
EMU Component  
more...

Query  
Inhibit  
NOW  
OCAD  
Consolidated

Tools  
What links here  
Related changes  
Upload file  
Special pages  
Printable version  
Permanent link  
Page information  
Browse properties

Page [Discussion](#)

[Lwesh](#) [Talk](#) [Admin links](#) [Preferences](#) [Watchlist](#) [Contributions](#)

[Read](#) [Edit](#) [View history](#)

## Welcome to the EVA Wiki

The EVA Wiki is a new knowledge capture system aiming to take the agony out of finding EVA-related information. We have long had the goal of fixing the knowledge capture problem within EVA. We want to make the process of answering your EVA questions as effortless as a Google search. There is a lot of information already within the Wiki, but we need your help to keep it continually growing and improving.

[Contact us](#) if you would like to contribute.

## US EVA 40-SSU/PMM Prep



The SSU/PMM Prep EVA is tentatively planned during Increment 40 to address the 3A DCSU RBI 1 Negative Current Trip by removing and replacing the 3A SSU and by prepping ISS for the PMM relocate. (Full Article...)

## US EVA 40-2



EVA A - planned EVA during Inc 40 (summer 2014) timeframe. It will include MTRA, Pump Module Stow, and MLM Ethernet Cable routing. Other potential tasks include CLPA Lens cover, SPDA Door troubleshooting and LEE CLA R&R. Get Aheads include: APFR/TS Relocate, CETA Cart Reconfig, Post December 2013 PM EVAs, EVA A is being developed to include the PM Stow (from POA) and the MTRA as the major tasks. The other tasks that had been identified will be added in as time is available or as get aheads. (Full Article...)

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[See all recent discussion](#)

## Recent Changes

- [STS-98/5A](#)
- [60P](#)
- [55P](#)
- [38S](#)
- [STS-131/19A](#)

[See all recent changes](#)  
[See all new pages](#)  
[Review your watchlist](#)

## Current Issues

- [3A DCSU RBI 1 Negative Current Trip](#)
- [EMU 3011 Water Leak](#)
- [EMU Water Contamination](#)
- [LEE A Motor Stall Failure](#)
- [RET Cord Fraying](#)
- [RET Cord Splice Failure](#)

## Tutorials

- [Tutorial Lesson 1](#)
- [Tutorial Lesson 2](#)
- [Tutorial Lesson 3](#)
- [Linking to: Images, Files, Videos](#)
- [Creating Redirects](#)

## Meeting Minutes

[+ Add minutes](#)

## EVA Tools Panel (Today)

- Wire Tie Waiver for MTRA Installation Tethering:**
- CDK RET Splice Partially Untucked:** SpaceX-3 leaked sea water into the capsule and several pieces of hardware were contaminated. Inspection was required to determine whether or not the CDK would need to be replaced. Inspection found that it was not affected by the salt water. However, the splice at the base of the lark's knot was found to be partially untucked. P/N SJG39136050-303 S/N: 1002
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- N3 CCAA Heat Exchanger R&R:** The crew was able to go back into the N3 CCAA Heat Exchanger (Hx) and remove the keying from the ITCS QDs that connect to the Hx itself. When the Hx was installed two weeks ago, the crew had to connect the ITCS lines backwards because they were keyed incorrectly. This allowed the CCAA to run but the water flow through the Hx unit was backwards which led to a decrease in efficiency that would have long term impacts on condensate collection and N3 CDRA usage. Following the de-keying ops that ...
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- Upcoming Items:** This week will be a short week since we will be giving the crew an off-duty day on Friday to celebrate the Fourth of July!
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- MCS:**
- Reboost:**
- SOLAR:**
- WHC:** Every Increment has to deal with WHC failures and Increment 40 is no exception. We started to see check separator indications just prior to RS EVA 38 and those problems continued to persist throughout the week. The check separator indications started out being intermittent but ended up occurring ~ 80% of the time. The MER and Ops team decided on Friday the criteria for declaring a pump separator R&R and those criteria were met this weekend. The crew R&R'd the pump separator earlier today ...
- S-BD Low Data Rate Checkout:**
- UPA FCPA Failure:**
- Payloads (Provided by POIF):** This was another outstanding week for science and utilization with the crew exceeding 46 hours. A major highlight of the week was astronaut Reid Weisman and cosmonaut Oleg Artemyev performing a SPHERES Zero Gravity Test on the ISS. The SPHERES satellite is the ISS's first free-flying satellite.

## Where to Help

16 September 2

25

# The Main Page Plaza

- **Masonry Main Page**
  - Masonry Javascript/CSS packed into an extension for MW
  - Provides auto-sized blocks based on content and window size
- Meeting Minutes is the focus
- Additional blocks provide relevant articles and queries

**Welcome to the EVA Wiki**

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**Meeting Minutes**

[+ Add minutes](#)

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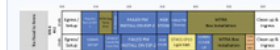
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# The Main Page Plaza



## Meeting Minutes

- Link to form for new minutes
- Title linking to full minutes
- Topics and synopses

### Meeting Minutes

+ Add minutes

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## Featured Article

- Title linking to article
- Primary image
- Overview

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# The Main Page Plaza



## Upcoming Events

- Encourages users to contribute to events they are supporting
- Helps us ensure we are tracking the correct event dates (they change A LOT)
- Currently only vehicles and missions. Eventually will include training and on-orbit activities.

### Upcoming Events

Today is 1 Jul 2014, GMT 182

- Orb-2 (11 Jul 2014, GMT 192)
- 56P (24 Jul 2014, GMT 205)
- ATV5 (26 Jul 2014, GMT 207)
- US EVA 40-2 (17 Aug 2014, GMT 229)
- RS EVA 39 (20 Aug 2014, GMT 232)
- US EVA 40-SSU/PMM Prep (21 Aug 2014, GMT 233)
- US EVA 40-3 (23 Aug 2014, GMT 235)

[Full list of upcoming events](#)





# The Main Page Plaza



## Recent Discussions and Changes

- Helpful for new users not familiar with “Recent Changes”
- Highlights discussion

### Recent Changes

- Expedition 40/Operations
- US EVA 40-SSU/PMM Prep
- EVA Tools Panel - 2014/07/01
- STS-98/5A
- 60P


[See all recent changes](#)

[See all new pages](#)

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# The Main Page Plaza



## Proficiency Training

- Currently a passive system
- Users unknowingly get additional proficiency training and review our data
- In the future, we could track click-through of these types of boxes for proficiency training

### Random OCAD

**ISS OCAD 44884** (*Systems*): Crewmembers should avoid applying greater than 10 lb bump loads in either the ISS or Shuttle Contamination Sampler.

*Applies to EMU Ammonia Contamination*

[Learn more about OCADs](#)

### Random Caution

**Avoid inadvertent contact with JEMRMS taped radiative surfaces (JEU, EE, Cameras) (I.P. Elements: Inadvertent Contact Hazards)**

*Applies to JEM Remote Manipulator System, JEU (Japanese Experiment Module).*

[Learn more about NCW](#)



# The Main Page Plaza



## Morning Routine

- Coffee
- Meeting Minutes
- Recent changes
- Recent discussion
- Watchlist
- Email (yes, still, but less)
  - Now more focused on discussions and less focused on “documenting” technical info

16 September 2014

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# The Future



- Future concept of expanding engagement
  - Connect warrens
  - User watches one page, but does not watch related page (determined by Property:Related article, wiki links, common contributors, etc.)
  - Main Page blocks customized by username, expiration date, etc.